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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/074,057	(02/11/2002	Kenneth Vecchio	UCSD 98-065DIV	9067
20985	7590 02/28/2006			EXAMINER	
FISH & RI	CHARDS	SON, PC	JOHNSON, STEPHEN		
P.O. BOX 1	022	•			
MINNEAPO	LIS, MN	55440-1022	ART UNIT	PAPER NUMBER	
	,			3641	

DATE MAILED: 02/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	Application No. Applicant		nt(s)				
Office Action Summary			057	VECCHIO, KENN	VECCHIO, KENNETH				
			er	Art Unit					
	·	Stephen	M. Johnson	3641					
Period fo	The MAILING DATE of this communication or Reply	n appears on th	ie cover sheet w	vith the correspondence a	ddress				
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR RICHEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by seply received by the Office later than three months after the period for reply with the set of the period for reply will, by seply received by the Office later than three months after the period for reply with the set of the period for reply will, by seply received by the Office later than three months after the period for reply with the set of the period for reply will, by seply received by the Office later than three months after the period for reply with the period for reply will be seplected.	FR 1.136(a). In no e on. period will apply and statute, cause the ap	HIS COMMUNI event, however, may a will expire SIX (6) MO oplication to become A	ICATION. reply be timely filed NTHS from the mailing date of this BANDONED (35 U.S.C. § 133).					
Status									
1) 又	Responsive to communication(s) filed on 2	23 September	2005.						
	This action is FINAL . 2b)⊠ This action is non-final.								
/	<u>'=</u>								
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims				·				
4)🖾	Claim(s) <u>1-10,13,16,18,19,21-29,41-43 and 50-53</u> is/are pending in the application.								
•—	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)🖂	Claim(s) <u>52 and 53</u> is/are allowed.								
	Claim(s) <u>1,2,4-6,8-10,13,16,18,19,23-26,28,41-43,50 and 51</u> is/are rejected.								
·-	Claim(s) <u>3,7,21,22,27 and 29</u> is/are objected to.								
	 □ Claim(s) 5,7,27,27,27,47 and 25 is are objected to: □ Claim(s) 1-10,13,16,18,19,21-29,41-43 and 50-53 are subject to restriction and/or election requirement. 								
Applicati	on Papers								
_	The specification is objected to by the Exa	miner							
•	The drawing(s) filed on is/are: a)		nhiected to	by the Examiner					
10/	Applicant may not request that any objection to	-	•						
	Replacement drawing sheet(s) including the co	*	-		`FR 1 121(d)				
11)	The oath or declaration is objected to by the	-		• • •	• •				
•—		io Examinor.			10 102.				
Priority u	ınder 35 U.S.C. § 119								
a)[12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2)	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948 nation Disclosure Statement(s) (PTO-1449 or PTO/SI r No(s)/Mail Date		Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PT 	「O-152)				

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1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

- 2. Claims 13, 28, and 51 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The claim limitations directed to a plane strain fracture toughness of "40 Mpa(m)1/2" lacks support in the written specification as originally filed.
- 3. Claims 13, 28, and 51 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The claim limitations directed to a plane strain fracture toughness of "40 Mpa(m)1/2" lack and enabling support in the written specification as originally filed.
- Claim 50 is rejected under 35 U.S.C. 102(b) as being anticipated by Giolitti.
 Giolitti discloses a method of making a composite laminate material comprising:
 - a) a plurality of first foils,

c

b) a plurality of second foils,

portion of a prior

to transformation

to b

c) reacting under heat and pressure,

page 1, lines 53-54;

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page 2, lines 101-105

d) intermetallic compound; and b

e) a temperature of between 600 and 800 degrees centigrade. page 2, line 105

5. Claims 1-2, 5, 6, 8-10, 16, 18, 19, 23-26, and 41-43 are rejected under 35 U.S.C. 102(b) as being anticipated by Rosenthal et al..

Rosenthal et al. disclose a method of making a composite laminate material comprising:

a) a plurality of first foils, 11, 21

b) a plurality of second foils, 13; col. 7, lines 48-59

col. 2, lines 21-43

c) reacting under heat and pressure, col. 7, lines 48-66

d) intermetallic compound. 14 or 23 or 28

Alternatively, the plurality of foils 11 could be considered to be a plurality of first foils and the plurality of foils 21 and more particularly that portion of 21 that is reacted with layer 13 to form the final product as illustrated in fig. 8b could be considered to be a plurality of second of second foils.

6. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Rosenthal et al..

Rosenthal et al. apply as previously recited. However, undisclosed are a number of foils more numerous than 10. Although Rosental et al. teach varying the number of foil layers (see figs. 1A-8B) he does not teach a plurality of layers of 10 or more. Since applicant has stated no problem solved or advantage obtained by this particular number of plurality of layers, this feature must be considered to be an obvious matter of design choice (see in re Kuhle, 526 F.2d 553, 188 USPQ 7 (CCPA 1975)).

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. . . .

7. Claims 3, 7, 21-22, 27, and 29 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

8. Claims 52-53 are allowed.

9. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Stephen M. Johnson whose telephone number is 571-272-6877

and whose e-mail address is (Stephen.Johnson@uspto.gov). The examiner can normally be

reached on Tuesday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Michael Carone can be reached on 571-272-6873. The Central FAX phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 800-786-9199.

Legenber

STEPHEN M. JOHNSC... PRIMARY EXAMINES Stephen M. Johnson Primary Examiner Art Unit 3641

SMJ December 8, 2005